MC2 Pinhole Attenuation

Gordon Koizumi

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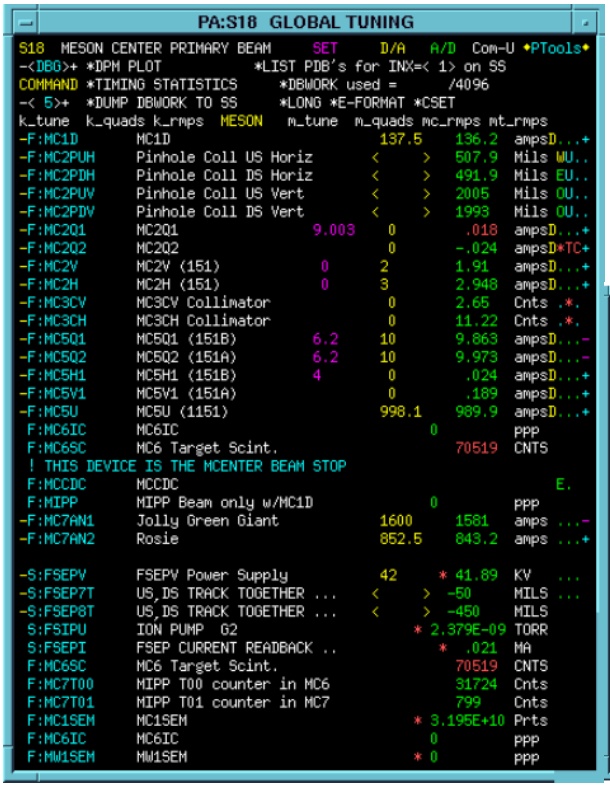
Based on the following entries in the archived e-log, the attenuation provided by the MC2 pin hole collimator the expected attenuation factor at 120 GeV is MC6SC/MC1SEM = 2.2E-6

The following Acnet pages are from the e-log archive. They provide the data, including the MC2 pinhole positions, show the profiles and the beam intensities at MC1SEM and MC6SC from 11:12, 15 June 2005.



- chuckb

-- *Wed Jun 15 11:15:58 comment by...chuckb* -- Carol will now take these pictures and calculate what currents we need on MC5Q1 and MC5Q2 to get the beam through the collimator just downstream of MC6IC (and the new scintillation counter, MC6SC). Meanwhile I will go back and retune Enclosure-C to reduce the bad losses seen at H202 and V204 and improve the transmission to F1SEM which is currently only a few percent.

Note that this entry from 11:15:58 on 15 June 2005 is in a e-log content section titled "continue tuning 120 GeV to MIPP", MC5U = 939.9 Amps, MC6SC = 70519, MC1SEM = 3.19E10 (so MC6SC/MC1SEM = 2.2E-6) , the pinhole collimator positions are listed.
